

ESSEX COUNTY PROSECUTOR'S OFFICE

HOMICIDE SQUAD

STATISTICAL REPORT OF AUTO FATALITIES FOR 1991

BY

INV. TOM FIORENZA AND INV. WILLIAM O'CONNELL

| | <u>1991</u> | <u>1990</u> |
|-----------------------|-------------|-------------|
| TOTAL FATAL ACCIDENTS | 61 | 83 |
| TOTAL FATALITIES | 62 | 91 |
| Drivers | 27 (43.54%) | 44 (48.35%) |
| Passengers | 14 (22.58%) | 20 (21.98%) |
| Pedestrians | 19 (30.64%) | 26 (28.57%) |
| Bicyclists | 2 (3.22%) | 1 (1.10%) |
| ROAD CLASSIFICATION | | |
| State | 18 (29.03%) | 13 (14.29%) |
| County | 16 (25.80%) | 36 (39.56%) |
| Municipal | 28 (45.16%) | 42 (46.15%) |
| MALE DEATHS | 45 (72.58%) | 59 (64.84%) |
| FEMALE DEATHS | 17 (27.41%) | 32 (35.16%) |
| DEATHS AT NIGHT | 29 (46.77%) | 46 (50.55%) |
| DEATHS DURING THE DAY | 33 (53.22%) | 45 (49.45%) |

MUNICIPALITIES WITH AUTO DEATHS

| | <u>DEATHS</u> | <u>DRI</u> | <u>PASS</u> | <u>PED</u> | <u>BIKE</u> |
|-------------|---------------|------------|-------------|------------|-------------|
| NEWARK | 35 | 14 | 10 | 11 | - |
| BLOOMFIELD | 7 | - | 1 | 6 | - |
| FAIRFIELD | 4 | 3 | 1 | - | - |
| IRVINGTON | 3 | 1 | - | 2 | - |
| NUTLEY | 3 | 1 | - | - | 2 |
| EAST ORANGE | 3 | 1 | 2 | - | - |
| MAPLEWOOD | 2 | 2 | - | - | - |
| WEST ORANGE | 1 | 1 | - | - | - |
| MILLBURN | 1 | 1 | - | - | - |
| MONTCLAIR | 1 | 1 | - | - | - |
| CEDAR GROVE | 1 | 1 | - | - | - |
| BELLEVILLE | 1 | 1 | - | - | - |

LIMITED ACCESS ROADWAY

BESIDES THE ABOVE TOTALS WE ALSO HAD:

1 DEATH - GARDEN STATE PARKWAY

4 DEATHS - NEW JERSEY TURNPIKE

MUNICIPALITY DEATHS MONTHLY

| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| BELLEVILLE | - | - | - | - | 1 | - | - | - | - | - | - | - |
| BLOOMFIELD | - | 3 | - | - | 1 | 1 | 1 | 1 | - | - | - | - |
| CEDAR GROVE | 1 | - | - | - | - | - | - | - | - | - | - | - |
| EAST ORANGE | 1 | - | - | - | - | - | 1 | 1 | - | - | - | - |
| FAIRFIELD | - | - | - | - | - | 1 | 2 | - | - | - | 1 | - |
| IRVINGTON | - | 1 | - | - | 1 | - | 1 | - | - | - | - | - |
| MAPLEWOOD | - | - | - | - | - | 1 | - | - | 1 | - | - | - |
| MILLBURN | - | - | - | - | 1 | - | - | - | - | - | - | - |
| MONTCLAIR | - | - | - | - | - | - | - | - | 1 | - | - | - |
| NEWARK | - | 4 | 4 | 1 | 2 | 3 | 2 | 2 | 5 | 4 | 2 | 6 |
| NUTLEY | - | - | - | - | - | - | - | 1 | - | 1 | 1 | - |
| WEST ORANGE | - | - | - | - | - | - | - | 1 | - | - | - | - |

MULTIPLE FATALITIES

MARCH 31, 1991

NEWARK

2 KILLED

SUNDAY

AGE GROUPS INVOLVED IN FATALITIES

| | DRIVERS | PASSENGERS | PEDESTRIANS | BICYCLIST |
|-------|---------|------------|-------------|-----------|
| 00-17 | 2 | 4 | 4 | 2 |
| 18-21 | 1 | 4 | 1 | - |
| 22-30 | 6 | 2 | 1 | - |
| 31-40 | 3 | - | 2 | - |
| 41-50 | 6 | 2 | 2 | - |
| 51-60 | 4 | 2 | 1 | - |
| 61-70 | 3 | - | 1 | - |
| 71-80 | - | - | 4 | - |
| 81-90 | - | - | 2 | - |
| 91 | 2 | - | 1 | - |

MONTHLY FATALITIES

| | DRIVERS | PASSENGERS | PEDESTRIANS | BICYCLIST |
|-----------|---------|------------|-------------|-----------|
| JANUARY | 2 | 0 | 0 | 0 |
| FEBRUARY | 1 | 2 | 5 | 0 |
| MARCH | 2 | 2 | 0 | 0 |
| APRIL | 1 | 0 | 0 | 0 |
| MAY | 2 | 1 | 3 | 0 |
| JUNE | 4 | 1 | 1 | 0 |
| JULY | 4 | 2 | 1 | 0 |
| AUGUST | 4 | 2 | 1 | 0 |
| SEPTEMBER | 2 | 2 | 2 | 0 |
| OCTOBER | 0 | 1 | 3 | 1 |
| NOVEMBER | 2 | 1 | 0 | 1 |
| DECEMBER | 3 | 0 | 3 | 0 |
| TOTAL | 27 | 14 | 19 | 2 |

PEDESTRIANS PORTION OF ALL TRAFFIC FATALITIES

| | TOTAL TRAFFIC FATALITIES | PEDESTRIAN FATALITIES | PERCENTAGE OF PEDESTRIANS |
|------|-----------------------------|--------------------------|------------------------------|
| 1987 | 76 | 26 | 34.21% |
| 1988 | 75 | 28 | 37.33% |
| 1989 | 77 | 33 | 42.86% |
| 1990 | 91 | 26 | 28.57% |
| 1991 | 62 | 19 | 30.64% |

FATALITIES - DAY AND MONTH

| | SUN | MON | TUE | WED | THU | FRI | SAT | TOTAL |
|-----------|-----|-----|-----|-----|-----|-----|-----|-------|
| JANUARY | - | - | - | 1 | - | - | 1 | 2 |
| FEBRUARY | 1 | - | 4 | - | 2 | - | 1 | 8 |
| MARCH | 1 | - | - | - | 1 | - | 2 | 4 |
| APRIL | 1 | - | - | - | - | - | - | 1 |
| MAY | 1 | - | 1 | 2 | 1 | 1 | - | 6 |
| JUNE | 1 | 1 | - | 2 | - | 2 | - | 6 |
| JULY | 2 | 1 | 4 | - | - | - | - | 7 |
| AUGUST | 3 | - | 2 | - | 1 | 1 | - | 7 |
| SEPTEMBER | 2 | - | - | 2 | - | - | 2 | 6 |
| OCTOBER | 1 | - | 1 | 1 | 1 | - | 1 | 5 |
| NOVEMBER | 1 | - | 1 | - | - | 2 | - | 4 |
| DECEMBER | 1 | 1 | 1 | 1 | 1 | 1 | - | 6 |
| TOTAL | 15 | 3 | 14 | 9 | 7 | 7 | 7 | 62 |

NINETEEN YEAR TOTAL

1973 THRU 1991

| | DRIVERS | PASSENGER | PEDESTRIAN | BIKE | MOPED |
|----------------|---------|-----------|------------|------|-------|
| BELLEVILLE | 16 | 5 | 23 | 1 | - |
| BLOOMFIELD | 16 | 5 | 32 | 1 | - |
| CALDWELL | 5 | 4 | 5 | - | - |
| CEDAR GROVE | 12 | 9 | 4 | - | - |
| EAST ORANGE | 35 | 15 | 45 | 8 | - |
| ESSEX FELLS | 2 | - | - | - | - |
| FAIRFIELD | 25 | 16 | 12 | 3 | - |
| GLEN RIDGE | 2 | 2 | 3 | - | - |
| IRVINGTON | 14 | 6 | 37 | - | - |
| LIVINGSTON | 33 | 13 | 12 | - | 1 |
| MAPLEWOOD | 13 | 2 | 9 | - | - |
| MILLBURN | 21 | 8 | 3 | - | - |
| MONTCLAIR | 22 | 9 | 15 | - | - |
| NEWARK | 262 | 137 | 354 | 12 | 3 |
| NORTH CALDWELL | 1 | 1 | 2 | 1 | - |
| NUTLEY | 14 | 7 | 20 | 2 | - |
| ORANGE | 13 | 1 | 20 | 2 | - |
| ROSELAND | 9 | 7 | - | - | - |
| SOUTH ORANGE | 16 | 10 | 8 | 1 | - |
| VERONA | 9 | 1 | 5 | - | - |
| WEST CALDWELL | 9 | 1 | 3 | - | - |
| WEST ORANGE | 56 | 19 | 22 | 2 | - |

THE ABOVE TOTALS DO NOT INCLUDE DEATHS THAT OCCURED ON LIMITED ACCESS ROADS (TOLL ROADS AND PRIVATE PROPERTY).

MUNICIPALITIES IN ORDER OF MOST DEATHS

1973 THRU 1991

| | DEATHS | PERCENTAGE OF PEDESTRIANS |
|----------------|--------|------------------------------|
| NEWARK | 768 | 46.09% |
| EAST ORANGE | 103 | 43.68% |
| WEST ORANGE | 99 | 22.22% |
| LIVINGSTON | 59 | 20.33% |
| IRVINGTON | 57 | 64.91% |
| FAIRFIELD | 56 | 21.42% |
| BLOOMFIELD | 54 | 59.25% |
| MONTCLAIR | 46 | 32.60% |
| BELLEVILLE | 45 | 51.11% |
| NUTLEY | 43 | 46.51% |
| ORANGE | 36 | 55.55% |
| SOUTH ORANGE | 35 | 22.85% |
| MILLBURN | 32 | 9.37% |
| CEDAR GROVE | 25 | 16.00% |
| MAPLEWOOD | 24 | 37.50% |
| ROSELAND | 16 | 0.00% |
| VERONA | 15 | 33.33% |
| CALDWELL | 14 | 35.71% |
| WEST CALDWELL | 13 | 23.07% |
| GLEN RIDGE | 7 | 42.85% |
| NORTH CALDWELL | 5 | 40.00% |
| ESSEX FELLS | 2 | 0.00% |

MUNICIPALITIES IN ORDER OF HIGHEST

PERCENTAGE OF PEDESTRIANS KILLED

1973 THRU 1991

| | DEATHS | PEDESTRIANS | PERCENTAGE |
|----------------|--------|-------------|------------|
| IRVINGTON | 57 | 37 | 64.91% |
| BLOOMFIELD | 54 | 32 | 59.25% |
| ORANGE | 36 | 20 | 55.55% |
| BELLEVILLE | 45 | 23 | 51.11% |
| NUTLEY | 43 | 20 | 46.51% |
| NEWARK | 768 | 354 | 46.09% |
| EAST ORANGE | 103 | 45 | 43.68% |
| GLEN RIDGE | 7 | 3 | 42.85% |
| NORTH CALDWELL | 5 | 2 | 40.00% |
| MAPLEWOOD | 24 | 9 | 37.50% |
| CALDWELL | 14 | 5 | 35.71% |
| VERONA | 15 | 5 | 33.33% |
| MONTCLAIR | 46 | 15 | 32.60% |
| FAIRFIELD | 56 | 12 | 21.42% |
| WEST CALDWELL | 13 | 3 | 23.07% |
| SOUTH ORANGE | 35 | 8 | 22.85% |
| WEST ORANGE | 99 | 22 | 22.22% |
| LIVINGSTON | 59 | 12 | 20.33% |
| CEDAR GROVE | 25 | 4 | 16.00% |
| MILLBURN | 32 | 3 | 9.37% |
| ROSELAND | 16 | 0 | 0.00% |
| ESSEX FELS | 2 | 0 | 0.00% |

STATISTICAL COMPARISON OF MOTOR VEHICLE DEATHS
FOR THE LAST SIX YEARS 1986-1991

| | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
|-----------------|------|------|------|------|------|------|
| FATAL ACCIDENTS | 80 | 68 | 73 | 71 | 83 | 61 |
| FATALITIES | 85 | 76 | 75 | 77 | 91 | 62 |
| DRIVERS | 26 | 35 | 31 | 28 | 44 | 27 |
| PASSENGERS | 17 | 14 | 14 | 16 | 20 | 14 |
| PEDESTRIANS | 39 | 26 | 28 | 33 | 26 | 19 |
| BICYCLIST | 2 | 1 | 2 | 0 | 1 | 2 |
| MOPED | 1 | 0 | 0 | 0 | 0 | 0 |
| MALE DEATHS | 63 | 60 | 48 | 52 | 59 | 45 |
| FEMALE DEATHS | 22 | 16 | 27 | 25 | 32 | 17 |
| DAY DEATHS | 33 | 28 | 33 | 25 | 46 | 33 |
| NIGHT DEATHS | 52 | 48 | 42 | 52 | 45 | 29 |

ALCOHOL STATISTICS

During 1991, 62 auto fatalities were tested for alcohol and two drivers involved in auto deaths. Of the 64 tested, 20 were positive for alcohol in varying degrees and 44 were negative. This would indicate 29.68% of those tested were positive for alcohol and 70.31% were negative.

| | <u>TESTED</u> | <u>POSITIVE</u> | <u>NEGATIVE</u> |
|-------------|---------------|-----------------|-----------------|
| Drivers | 29 | 9 | 20 |
| Passengers | 14 | 4 | 10 |
| Pedestrians | 21 | 7 | 14 |

| | <u>.01-.04</u> | <u>.05-.09</u> | <u>.10 & OVER</u> |
|-------------|----------------|----------------|-----------------------|
| Drivers | 0 | 1 | 8 |
| Passengers | 0 | 1 | 3 |
| Pedestrians | 2 | 0 | 5 |

You will note of the 20 which tested positive for alcohol in varying degrees, 80.00% were in violation of New Jersey law.

ALCOHOL, AGE AND SEX OF VICTIMS

| | <u>ALCOHOL</u> | <u>AGE</u> | <u>SEX</u> | |
|-------------|----------------|------------|------------|---------|
| DRIVERS | .438 | 44 | M | |
| | .352 | 27 | M | |
| | .270 | 37 | F | |
| | .240* | 33 | M | |
| | .230 | 59 | M | |
| | .169* | 33 | M | |
| | .156 | 16 | F | |
| | .100 | 27 | M | |
| | .017 | 30 | M | *Living |
| PEDESTRIANS | .474 | 37 | M | |
| | .235 | 62 | M | |
| | .189 | 55 | M | |
| | .172 | 26 | F | |
| | .104 | 19 | M | |
| | .028 | 19 | M | |
| | .010 | 37 | F | |
| PASSENGERS | .165 | 45 | M | |
| | .125 | 22 | M | |
| | .086 | 25 | F | |
| | .058 | 21 | M | |

ALCOHOL STATISTICS FOR 1990 AND 1991

| | | <u>TESTED</u> | <u>POSITIVE</u> | <u>NEGATIVE</u> |
|-------------|------|----------------|-----------------|-----------------------|
| Drivers | 1991 | 29 | 9 | 20 |
| | 1990 | 40 | 12 | 28 |
| Passengers | 1991 | 14 | 4 | 10 |
| | 1990 | 23 | 9 | 14 |
| Pedestrians | 1991 | 21 | 7 | 14 |
| | 1990 | 23 | 7 | 16 |
| | | <u>.01-.04</u> | <u>.05-.09</u> | <u>.10 & OVER</u> |
| Drivers | 1991 | 0 | 1 | 8 |
| | 1990 | 2 | 2 | 8 |
| Passengers | 1991 | 0 | 1 | 3 |
| | 1990 | 3 | 2 | 4 |
| Pedestrians | 1991 | 2 | 0 | 5 |
| | 1990 | 1 | 2 | 4 |

Of those positive for alcohol in varying degrees in
 1991, 80.00% were in violation of New Jersey Law.
 1990, 57.14% were in violation of New Jersey Law.

LIMITED ACCESS ROADWAY TRAFFIC FATALS
NINETEEN YEAR TOTAL

| | NEW JERSEY TURNPIKE | GARDEN STATE PARKWAY | PRIVATE PROPERTY | TOTALS |
|--------|------------------------|-------------------------|---------------------|--------|
| 1973 | 1 | 3 | 4 | 8 |
| 1974 | 5 | 3 | 4 | 12 |
| 1975 | 2 | 4 | 5 | 11 |
| 1976 | 2 | 6 | 4 | 12 |
| 1977 | 2 | 4 | 1 | 7 |
| 1978 | 2 | 2 | 3 | 7 |
| 1979 | 2 | 2 | 2 | 6 |
| 1980 | 7 | 2 | 0 | 9 |
| 1981 | 0 | 0 | 2 | 2 |
| 1982 | 4 | 5 | 2 | 11 |
| 1983 | 3 | 3 | 3 | 9 |
| 1984 | 1 | 3 | 2 | 6 |
| 1985 | 4 | 2 | 0 | 6 |
| 1986 | 4 | 0 | 2 | 6 |
| 1987 | 8 | 4 | 4 | 16 |
| 1988 | 7 | 3 | 3 | 13 |
| 1989 | 3 | 1 | 0 | 4 |
| 1990 | 1 | 5 | 1 | 7 |
| 1991 | 4 | 1 | 0 | 5 |
| TOTALS | 62 | 53 | 42 | 157 |

TRAFFIC FATALITIES WITHIN MUNICIPALITIES
ON LIMITED ACCESS ROADWAY 1973-1991

| NEW JERSEY TURNPIKE | DRIVERS | PASSENGERS | PEDESTRIANS |
|---------------------|---------|------------|-------------|
| NEWARK | 31 | 17 | 14 |

| GARDEN STATE PARKWAY | DRIVERS | PASSENGERS | PEDESTRIANS |
|----------------------|---------|------------|-------------|
| BLOOMFIELD | 9 | 4 | 5 |
| EAST ORANGE | 2 | 4 | 6 |
| IRVINGTON | 7 | 1 | 14 |
| NUTLEY | 0 | 1 | 0 |
| TOTALS | 18 | 10 | 25 |

| PRIVATE PROPERTY | DRIVERS | PASSENGERS | PEDESTRIANS |
|------------------|---------|------------|-------------|
| BELLEVILLE | 0 | 0 | 3 |
| BLOOMFIELD | 1 | 0 | 1 |
| CALDWELL | 1 | 0 | 0 |
| EAST ORANGE | 1 | 0 | 0 |
| FAIRFIELD | 0 | 0 | 3 |
| IRVINGTON | 0 | 0 | 1 |
| LIVINGSTON | 1 | 0 | 1 |
| MILLBURN | 0 | 1 | 1 |
| MONTCLAIR | 0 | 0 | 1 |
| NEWARK | 5 | 1 | 14 |
| NUTLEY | 0 | 0 | 1 |
| ORANGE | 0 | 0 | 1 |
| ROSELAND | 0 | 1 | 0 |
| VERONA | 0 | 1 | 0 |
| WEST ORANGE | 1 | 0 | 1 |
| TOTALS | 10 | 4 | 28 |

SUMMARY OF 1991 FATALITIES

The month with the highest incident of fatalities was February (8), followed by July and August (7).

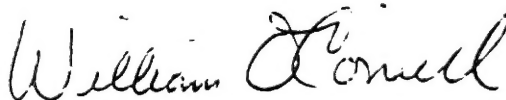
The days with the most fatalities were Sunday (15) followed by Tuesday (14).

The driver victims in the age group 22-30 and 41-50 accounted for the most deaths (6) each.

Two pedestrian age groups accounted for 8 of 19 pedestrian deaths: 0-17 and 71-80.

Included in the total of driver deaths is one operator of an electric powered wheelchair.

Respectfully submitted,

A handwritten signature in cursive script, reading "William O'Connell".

WILLIAM O'CONNELL
COUNTY INVESTIGATOR